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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kelvin STOTT

Serial No.: 10/030137

Filed: March 11, 2002

For: PEPTIDES CONTAINING N-SUBSTITUTED
L-AMINO ACIDS FOR PREVENTING BETA-
STRAND ASSOCIATION

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

The documents listed on the attached Form PTO-1449 are discussed in the present specification.

Patent No. US2001007015 is being submitted as the English counterpart of EP 0885904A1 (Document A1) listed on the PTO-1449 filed with our IDS on May 2, 2002.

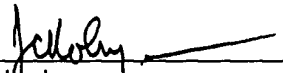
In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is

being filed before the mailing date of a first Office Action on the merits of the above-identified application.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By: _____


John C. Holman
Registration No. 22,769

400 Seventh Street, N.W.
Washington, DC 20004
(202) 638-6666
Atty. Dkt. No.: P67518US0
Date: June 11, 2002



JACOBSON HOLMAN PLLC
400 SEVENTH STREET, N.W.
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P67518US0 GROUP ART UNIT: _____
SERIAL NO.: 10/030137 FILING DATE: March 11, 2002
APPLICANT(S): STOTT TODAY'S DATE: June 11, 2002

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AA Perutz, TIBS 24, Feb. 1999, pgs. 58-63, Glutamine repeats and
neurodegenerative diseases: molecular aspects
AB Smith et al, SCIENCE, Vol. 270, Nov. 10, 1995, pgs. 980-982,
Guidelines for Protein Design: The Energetics of β Sheet Side...
AC De Alba et al, PROTEIN SCIENCE 8, 1999, pgs. 854-865, De novo
design of a monomeric three-stranded antiparallel β -sheet
AD Minor, Jr. et al, NATURE, Vol. 371, Sept. 15, 1994, pgs. 264-267
Context is a major determinant of β -sheet propensity
AE Soto et al, BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMM 226, 1996,
pgs. 672-680, Inhibition of Alzheimer's amyloidosis by...
AF Minor, Jr. et al, NATURE, Vol. 380, April 25, 1996, pgs. 730-734
Context-dependent secondary structure formation of a designed...
AG Tjernberg et al, JOUR OF BIOLOGICAL CHEM, Vol. 271, No. 15,
April 12, 1996, Arrest of β -Amyloid Fibril Formation by a...
AH Ghanta et al, JOUR OF BIOLOGICAL CHEM, Vol. 271, No. 47, Nov.
22, 1996, A Strategy for Designing Inhibitors of β -Amyloid...
AI Derossi et al, JOUR OF BIOLOGICAL CHEM, Vol. 271, No. 30, July
26, 1996, Cell Internalization of the Third Helix of the...
AJ Trojanowski et al, ARCH NEUROL, Vol. 55, Feb. 1998, pgs. 151-152
Aggregation of Neurofilament and α -Synuclein Proteins in...
AK Burgevin et al, NEUROREPORT 5, 1994, pgs. 2429-2432, Congo-Red
Protects Against Toxicity of Beta-Amyloid Peptides on Rat...
AL Carpino et al, JOUR OF CHEM SOC-CHEM COMMUN, 1994, pgs. 201-203,
Advantageous Applications of Azabenzotriazole...

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

_____ AM Soto et al, NATURE MEDICINE, Vol. 4, No. 7, July 1998, pgs. 822-826, β -sheet breaker peptides inhibit fibrillogenesis...

_____ AN Wilmot et al, J MOL BIOLOGY, 203, 1988, pgs. 221-232, Analysis and Prediction of the Different Types of β -Turn in Proteins

_____ AO Wood et al, JOUR OF BIOLOGICAL CHEM, Vol. 271, No. 8, Feb. 23, 1996, pgs. 4086-4092, Selective Inhibition of A β Fibril...

_____ AP Joachim et al, ALZHEIMER DISEASE & ASSOC DISORDERS, Vol. 6, No. 1, 1992, pgs. 7-34, The Seminal Role of β -Amyloid in the...

_____ AQ Babe et al, PROTEIN SCIENCE 1, 1992, pgs. 1244-1253, Synthetic interface peptides alter dimeric assembly of the HIV 1 and 2...

_____ AR Fields et al, INT J PEPTIDE PROTEIN RES 35, 1990, pgs. 161-214, Solid phase synthesis utilizing 9-fluorenylmethoxycarbonyl...

_____ AS Benson et al, INT J EXP CLIN INVEST 3, 1996, pgs. 44-56, Trans-thyretin amyloidosis

_____ AT Hanan et al, INT J EXP CLIN INVEST 3, 1996, pgs. 130-133, Inhibitory effect of monoclonal antibodies on Alzheimer's...

_____ AU Hutchinson et al, PROTEIN SCIENCE 7, 1998, pgs. 2287-2300, Determinants of strand register in antiparallel β -sheets of...

_____ AV Miyata et al, J AM SOC NEPHROL 9, 1998, pgs. 1723-1735, β -2 Microglobulin in Renal Disease

_____ AW Zutshi et al, CHEMICAL BIOLOGY 2, 1998, pgs. 62-66, Inhibiting the assembly of protein-protein interfaces

_____ AX Pollack et al, NEUROSCIENCE LTRS 197, 1995, pgs. 211-214, Sulfonated dyes attenuate the toxic effects of β -amyloid in...

_____ AY Price et al, PROC NATL ACAD SCI, Vol. 90, July 1993, pgs. 6381-6384, Alzheimer disease and the prion disorders amyloid...

_____ AZ Schramm et al, ANTIVIRAL RESEARCH 30, 1996, pgs. 155-170, The inhibition of human immunodeficiency virus proteases by...

EXAMINER

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AA1 Merlini et al, PROC NATL ACAD SCI, Vol. 92, March 1995, pgs. 2959-2963, Interaction of the anthracycline...

AB1 Hughes et al, PROC NATL ACAD SCI, Vol. 95, March 1998, pgs. 3275-3280, α 2-macroglobulin associates with β -amyloid...

AC1 Pappolla et al, JOUR OF BIOL CHEM, Vol. 273, No. 13, March 27, 1998, pgs. 7185-7188, Inhibition of Alzheimer...

AD1 Koepf et al, PROTEIN SCIENCE 8, 1999, pgs. 841-853, WW: An isolated three-stranded antiparallel β -sheet domain that...

AE1 Derrosi et al, JOUR OF BIOL CHEM, Vol. 269, No. 14, April 8, 1994, pgs. 10444-10450, The Third Helix of the Antennapedia...

AF1 Selkoe, ANNU REV CELL BIOL 10, 1994, pgs. 373-403, Cell Biology of the Amyloid β -Protein Precursor and the Mechanism of...

AG1 Zutshi et al, J AM CHEM SOC 119, 1997, pgs. 4841-4845, Targeting the Dimerization Interface of HIV-1 Protease: Inhibition...

AH1 Kudva et al, FEBS LTRS 416, 1997, pgs. 117-121, Small heat shock proteins inhibit in vitro A β 1-42 amyloidogenesis

AI1 Salomon et al, BIOCHEMISTRY 35, 1996, pgs. 13568-13578, Nicotine Inhibits Amyloid Formation by the β -Peptide

AJ1 Serpell et al, CMLS CELL MOL LIFE SCI 53, 1997, pgs. 871-887, The molecular basis of amyloidosis

AK1 Smith et al, ACC CHEM RES 30, 1997, pgs. 153-161, Construction and Design of β -Sheets

AL1 Wisniewski et al, NEUROBIOLOGY OF DISEASE 4, 1997, pgs. 313-328, Biology of A β Amyloid in Alzheimer's Disease

AM1 Howlett et al, FEBS LTRS 417, 1997, pgs. 249-251, Hemin and related porphyrins inhibit β -amyloid aggregation

AN1 Wisniewski et al, AMYLOID-INTL JOUR OF EXP AND CLINICAL INVES 5, The prionoses and other conformational disorders

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AO1 Clark et al, AMHS 104, 1996, pgs. 12-18, Islet amyloid in type 2 (non-insulin-dependent) diabetes
AP1 Polymeropoulos, ANNALS OF NEUROLOGY, Vol. 44 (Suppl 1), Sept. 1998, pgs. S63-S64, Autosomal Dominant Parkinson's Disease...
AQ1 Nelson et al, BIOORGANIC & MEDICINAL CHEM, Vol. 4, No. 6, 1996 pgs. 739-766, Progress Towards Understanding β -Sheet Structure
AR1 Franciskovich et al, BIOORGANIC & MEDICINAL CHEM, Vol. 3, No. 4, 1993, pgs. 765-768, A Systematic Evaluation of the Inhibition...
AS1 O'Brien et al, VET PATHOL 30, 1993, pgs. 317-332, Islet Amyloid Polypeptide: A Review of Its Biology and Potential Roles in...
AT1 Mezey et al, MOLECULAR PSYCHIATRY 3, 1998, pgs. 493-499, Alpha synuclein is present in Lewy bodies in sporadic Parkinson's...
AU1 Baba et al, AMER JOUR OF PATHOLOGY, Vol. 152, No. 4, April 1998, pgs. 879-884, Aggregation of α -Synuclein in Lewy Bodies of...
AV1 Forloni, NEUROLOGY 9, 1996, pgs. 492-500, Neurotoxicity of β -amyloid and prion peptides
AW1 Lebl et al, SYNTHETIC PEPTIDE LIBRARIES, 1997, pgs. 336-392, Methods in Enzymology 289
AX1 Prusiner et al, AMYLOID: INT J EXP CLIN INVEST 2, 1995, pgs. 39-65, Prion protein amyloid and neurodegeneration
AY1 Kisilevsky et al, CRIT REV IN BIOCHEM AND MOLEC BIOL 32(5), 1997 pgs. 361-404, A β amyloidogenesis: Unique, or Variation on a...
AZ1 Trojanowski et al, CELL DEATH AND DIFFERENTIATION 5, 1998, pgs. 832-837, Fatal attractions: abnormal protein aggregation and...
AA2 Bandiera et al, CURRENT MEDICINAL CHEM 4, 1997, pgs. 159-170, Inhibitors of A β Peptide Aggregation as Potential...
AB2 Smith et al, BIOCHEMISTRY 33, 1994, pgs. 5510-5517, A Thermo-dynamic Scale for the β -Sheet Forming Tendencies of the Amino...

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AC2 Pham et al, NATURE STRUCTURAL BIOLOGY, Vol. 5, No. 2, Feb. 1998
pgs. 115-119, A stable single-layer β -sheet without a...

AD2 Johnson et al, TETRAHEDRON LTRS., Vol. 35, No. 3, 1994, pgs.
463-466, The N-(2-hydroxybenzyl) Protecting Group for Amide...

AE2 Angell et al, TETRAHEDRON LTRS, Vol. 35, No. 33, 1994, pgs.
5981-5984, Comparative Studies of the Coupling of...

AF2 Quibell et al, J CHEM SOC PERKIN TRANS 1, 1995, pgs. 2019-2024,
Improved preparation of β -amyloid(1-43): structural insight...

AG2 Quibell et al, J AM CHEM SOC 117, 1995, pgs. 11656-11668,
Synthesis of the 3-Repeat Region of Human Tau-2 by the Solid...

AH2 Schramm et al, BIOCHEM AND BIOPHYS RES COMMUN, Vol. 194, No. 2,
1993, pgs. 595-600, The Inhibition of HIV-1 Protease by...

AI2 Schramm et al, BIOCHEM AND BIOPHYS RES COMMUN, Vol. 184, No. 2,
1992, Inhibition of HIV-1 Protease by Short Peptides Derived...

AJ2 Tomiyama et al, BIOC AND BIOPHYS RES COMMUN, Vol. 204, No. 1,
1994, Rifampicin Prevents the Aggregation and Neurotoxicity...

AK2 Kortemme et al, SCIENCE, Vol. 281, July 10, 1998, pgs. 253-256,
Design of a 20-Amino Acid, Three-Stranded β -Sheet Protein

AL2 Quibell et al, TETRAHEDRON LTRS, Vol. 35, No. 14, 1994, pgs.
2237-2238, Reversible Modification of the Acid Labile 2...

AM2 Miller et al, DRUG DEVELOPMENT RESEARCH 35, 1995, pgs. 20-32,
Comparison of the Proteolytic Susceptibilities of Homologous...

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